

# On Line High Frequency Rack Mount UPS APD Lite Modular 60K



## Technical Features:

- High efficiency online double conversion technology
- Output power factor 1
- Modular design lowers MTTR
- Adjustable charging current
- Built-in maintenance bypass switch for easy maintenance without interruptible
- Graphic 5.7" LCD design for easy configuration



## Technical Specifications:

MODEL	APD Lite 15U-60
PHASE	3-phase in/3-phase out
MAX CABINET CAPACITY*	60KW
BATTERY TYPE	External Battery
One Power Module Capacity	20KVA/28W @ 30 C
Max. Power Module No.	3
<b>INPUT</b>	
Nominal Voltage	3 x 208VAC/220VAC (3Ph+N)
Voltage Range	156 ~ 253VAC at 70% - 100% load; 121 ~ 253VAC for <70% load
Nominal Frequency	50/60Hz (Auto sensing)
Frequency Range	40Hz ~70Hz
Power Factor	> 0.99 at 100% load, >0.98 at 50% load
Harmonic Distortion (THDi)	< 3% @ 100% load
<b>OUTPUT</b>	
Nominal Voltage	3 x 208/220 VAC (3Ph+N)
Voltage Regulation (Steady state)	±1% Typical (balanced load) ; ±2% Typical (unbalanced load)
Voltage Regulation (Transient)	±5% Typical
Nominal Frequency	50/60Hz
Frequency Range (Synchronized range)	46Hz ~ 54Hz or 56Hz ~ 64Hz
Overload Capability	1 hour for 110%, 10 mins for 125%, 1 min for 150% and 200ms for >150%
Harmonic Distortion	± 2% THD (Linear Load) ; ± 4% THD (Non-linear Load)
Efficiency	Up to 92.5%
<b>BATTERY / CHARGER</b>	
Nominal Voltage	+/- 120V (12V x 20 Pcs)
Floating Charge Voltage	2.25V/Cell
Boost Charging Voltage	2.35V/Cell
Temperature Compensation	Yes
Maximum Charging Current	8A for each power module (User-djustable)
<b>PHYSICAL</b>	
Dimension, DXWXH(mm)	1000 x 514 x 763
Net Weight (kgs)	195
<b>ENVIRONMENT</b>	
Operation Temperature	0 ~ 40 C
Relative Humidity	0 ~ 95% non-condensing
Altitude ***	<1000m for Nominal power
IP Class	IP 20
<b>MANAGEMENT</b>	
RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7, Linux and MAC
Optional SNMP	Power management from SNMP manager and web browser

\*When temperature is above 30 C , the output power factor will be de-rated, 0.9 at 31 C~35 C and 0.8 at 36 C~40 C .

\*\* One battery module contains 10 pcs of 12V/7Ah or 12/9Ah sealed lead acid batteries in one tray. One complete battery set contains 4 battery modules.

\*\*\*If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

Model	Description	Dimension DxWxH(mm)	Weight (kg)
PM-20LV	3P/3P 20KVA/18KW power module	650x440x132(3U)	34
Battery Cabinet	120 pcs of 12V9Ah batteries	1000 x 514 x 610	387

